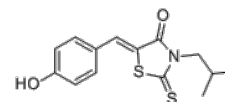


Product Name : PFM01
Cat. No. : PC-61926
CAS No. : 1558598-41-6
Molecular Formula : C₁₄H₁₅NO₂S₂
Molecular Weight : 293.399
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

PFM01 (SML1735) is a small molecule that specifically inhibits **endonuclease**, but not exonuclease activity of MRE11, inhibits dsDNA end resection in A549 cells with IC₅₀ of 50-75 uM.

PFM01 blocks the ssDNA-binding path toward the catalytic metal ions and disrupts endonuclease activity.

References

Shibata A, et al. *Mol Cell*. 2014 Jan 9;53(1):7-18.

Hengel SR, et al. *Cell Chem Biol*. 2017 Sep 21;24(9):1101-1119.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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